Pastello series RGBW 4 in one USER MANUAL

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

For your own safety, please read this user manual carefully before your initially start-up!

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- include every supplementary update with the original manual

Before your initial start-up, please make sure that there is no damage caused during shipment. Should there be any, do not use the device and consult your supplier.

SAFETY INSTRUCTIONS

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important: Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

Always plug in the power unit least.

Keep away from heaters and other heating sources! Keep away children and amateurs from the device! Never leave the device running unattended!

If the device has been exposed to drastic temperature fluctuation (e. g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Always disconnect from the mains, when the device is not in use or before cleaning it.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.

OPERATING DETERMINATIONS

This device is an LED lighting for color decoration in discotheques, on stages etc. It is allowed to be operated with an AC of 200 - 250 V, and is designed for indoor use only.

This device is **NOT** designed to use at full output on all Led colors for a long time such as used in fairs. It is a show light which normally will be used in show lighting with continually variation of output and colors. The device can handle two colors in full output for a long time. Also flashing with all outputs to full for short time will be no problem.

Do not shake the device. Avoid brute force when installing or operating.

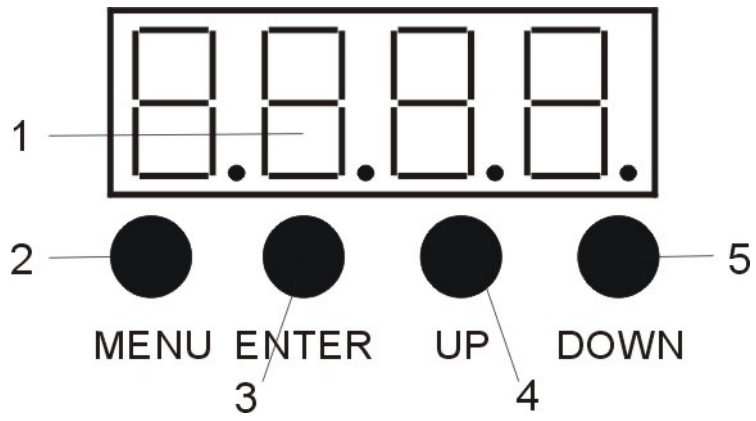
When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

Please use the original packaging if the device is to be transported.

Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

If this device will be operated in any way different to the one described in this manual, it may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, etc.



CONTROL PANEL

1. LED DISPLAY
2. MENU BUTTON
3. ENTER BUTTON
4. UP BUTTON
5. DOWN BUTTON

SETUP

1. Rigging the device

DANGER OF FIRE!

Make sure there is no inflammable material nearby during installing. Follow the instructions stated on the bottom of the base of this device.

WARNING!

Use 2 clamps to rig the fixture onto a truss. Make sure it is fixed properly! Ensure the structure (truss) is secure.

This device can be installed directly onto a truss, wall or stage floor in any orientation without altering its operation characteristics.

Use proper bolts to mount the device via its brackets. The brackets should be attached to the device with proper bolts!

Always use a secondary safety rope that can hold at least 10 times the weight of the device.

The minimum distance between the device and illuminated surface is 1 meter. There should not be any flammable materials 10 meters around the device!

2. Connection to mains

Connect the device to mains with the enclosed power plug. The occupation of the connection cables is as below:

Cable color	Pin	Internation code
Brown	Live	L
Blue	Neutral	N
Yellow / Green	Earth	⏚

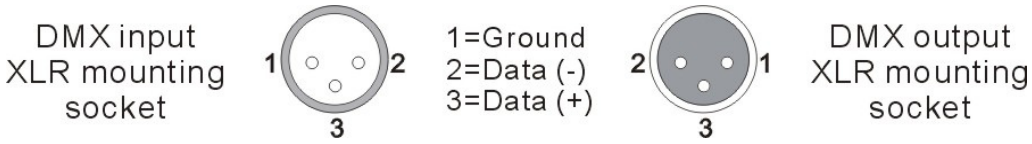
The earth has to be connected.

3. Master-slave / DMX 512 connection

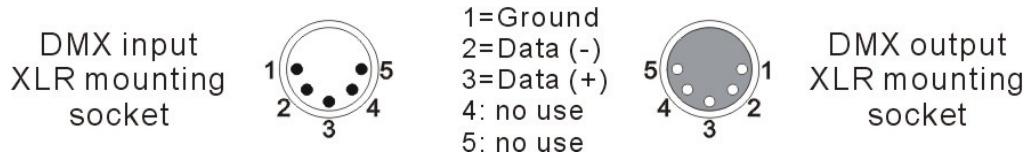
The wires must not come into contact with each other, otherwise the fixtures will not work at all, or will not work properly.

Only use a stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Occupation of the XLR-connection:



If you are using controllers with this occupation, you can connect the DMX-output of The controller directly with the DMX-input of the 1st device in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.



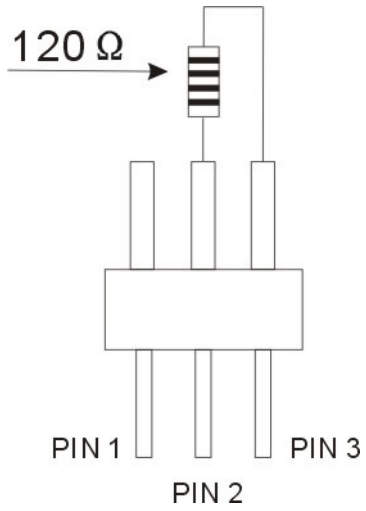
Building a serial Master-slave / DMX-chain:

For Master-slave connection, you need to set a device as the Master device. All other devices will be the slave devices.

Connect the DMX-output of the first device (Master) in the chain with the DMX-input of the second device (the first slave device). Connect the DMX-output of the second device (the first slave device) with the DMX-input of the third device (the second slave device). Always connect

one output with the input of the next device until all devices are connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 Ω resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.



4. Control panel and display

The control panel on the device allows you to control the device, including DMX start address setting, Automatic operation setting, Manuel dimmer, Rainbow effect setup, etc.

Display window

The device use a 4-digits red color LED display module for displaying your setting.
The module can display some simple letters and figures.

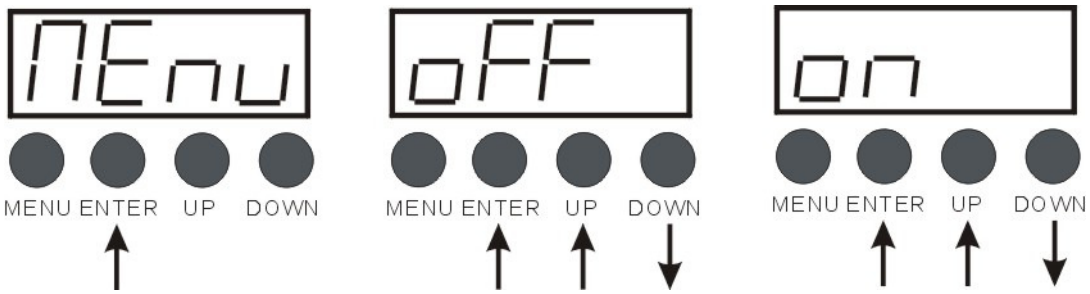
Buttons for setup

MENU button: Prepare to select the menu or exit without saving
UP / DOWN: Select the menu or select your desired value
ENTER (SAVE): Enter main menu / Save your selected value

Menu extension

The LED display allows you to extend or abbriviate the menu.
Press the Menu button.
Press the Up or Down buttons until it shows -Menu- in the display.
Press Enter button to enter setting.
Press the Up or Down buttons to select -on- or -oFF-.
Then press the Enter button to save or press the Menu button to exit.

If you select -on-, then the menu is complete.
If you select -oFF-,then the menu is incomplete. The display will only show the -AXXX- for DMX control mode and -Menu- for Menu extention.



Complete Main Menu

Press The Menu button, then press Up or Down button,
the display will show below:

1) [AXXX]. This is the DMX starting address. See page 10.
2) [Menu], This is the Menu extention setting. See above.
3) [ModX]. This is the mode setting of the spot. See page 9.
4) [C1--], [C2--], or [C3--]. This is manuel dimmer of the 3 colors. See below.
5) [ACC]or [FADE]. This is automatic operation. See below.
6) [Reset]. This is the loading of the factory default settings. See page 11.

OPERATION

Auto operation

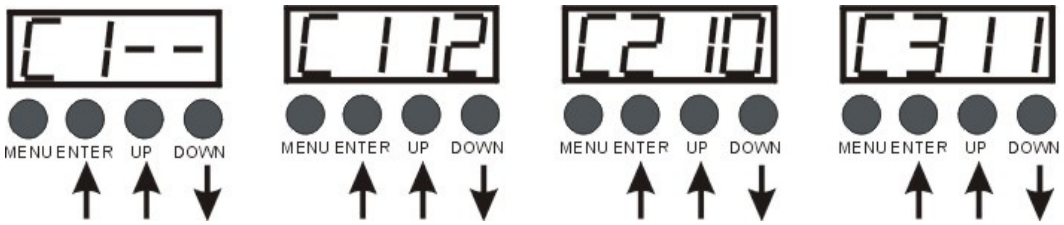
Press the Menu button. Press the Up or Down button until it shows one of the following:

- FADE: means fade in and fade out effect.
- ACCH-: means automatic color changing effect.

Press Enter button to enter.
Press Up or Down button to select one of them, the device will be operated automatically by the built-in programs.
Press Enter button, the last two digits in the display will show 00-12. This is the speed or different built-in programs.
The first two digits in the display will not change.

Press Up or Down button to select.
Press Enter button to save or press Menu button to exit.

Manual operation



Press the Menu button.
Press Up/Down button until it shows C1-C3 in the display. C1, C2, C3 means Red, Green and Blue color respectively.
Press Enter button.
Press Up or Down button to select C1, C2, or C3.
Press the Enter button, the last 2 digits in the display will show 00-12. This is the level of the manual dimmer.
Press Enter button to save or press Menu button to exit.

DMX operation

The DGM Kameleon series gives you the possibility to set the spot in different user modes.
When you connect a DMX signal to the spots the display will indicate this with a dot on the display.

Mode 1: 2 channels.	First channel is the master dimmer (**14 bit dimming**)	
	Second channel is the macro of colors.	
Mode 2: 5 channels.	First channel:	Master dimmer (**14 bit dimming**)
	Second channel:	Red
	Third channel:	Green
	Fourth channel:	Blue
	Fifth channel:	White
Mode 3: 10 channels. (**Default**)	First channel:	Master dimmer (**14 bit dimming**)
	Second channel:	Red
	Third channel:	Green
	Fourth channel:	Blue
	Fifth channel:	Strobe RGB
	Sixth channel:	Chase
	Seventh channel:	Fade
	Eight channel:	Color scroll
	Ninth channel:	White
	Tenth channel:	Strobe white

DMX channel Values in mode 3 (default/factory setting)

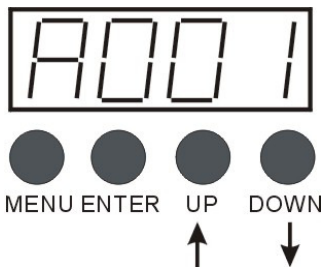
Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red color dimmer (0-100%)
3	000-255	Green color dimmer (0-100%)
4	000-255	Blue color dimmer (0-100%)
5	000-255	RGB Strobe effect speed adjustable (slow to fast)
6	000-255	Preset program Automatic chase function Speed adjustable (slow to fast)
7	000-255	Preset program Automatic fade function Speed adjustable (slow to fast)
8	000-255	Macro of colors
9	000-255	White color dimmer (0-100%)
10	000-255	White Strobe effect speed adjustable (slow to fast)

DMX start address setting

This device has a maximum of 10 DMX channels in mode 3. If you set, for example, the DMX start address to channel 1, the device will use the channels # 1st to 10th for control. The first available channel for the next fixture will be the 9th. Please be sure that you do not have any overlapping channels in order to control each device correctly and independently from any other fixture on the DMX chain.

If two, three or more devices are addressed similarly, they will work similarly.

Press the Menu button.
Press the Up/Down button until it shows AXXX in the display.
XXX is the address you set last time.
Press Enter button. Press Up/Down button to select your desired address, e.g. A001.
Press Enter button to save or press Menu button to exit.



Factory default setting

Press the Menu button. Press the Up/Down button until it shows [Reset] in the display.
Press the ENTER button. It will reset all functions.
The spot will go to mode 3 with start address A001.

Master-slave operation

More devices can work synchronize when there is no DMX signal input.

For Master-slave operation, you need to use one device as the master. The master device can be any one in a DMX (Master-slave) chain.

The Master device must be set to Auto, Sound, Rainbow or Manuel operation. The slave devices must be set to work in DMX mode.

CLEANING AND MAINTENANCE

DANGER TO LIFE!
Disconnect from mains before starting maintenance operation!

The operator has to make sure that safety-relating and machine-technical installation are inspected by

- an expert after every four years in the course of an acceptance test.
- a skilled person once a year.

1. All screws used for installing the devices or parts have to be tightly connected and must not be corroded.

2. There must not be any deformations on the housing, fixations and installation spots (ceiling, suspension, trussing, etc.)

3. The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

The interior of the device need to be cleaned at least annually by an air-jet or a vacuum cleaner.

There are no serviceable parts inside the device except for the lamp and fuse. Maintenance and

service operation can be only carried by authorized dealers.

Should you need any spare parts, please use genuine parts.

Should you have further questions, please contact GLG.

TECHNICAL SPECIFICATIONS

Power supply:	**AC 200-250V, 50Hz ~**
Power consumption:	**75 watt for Picollo, 105 watt for basic**
LED quantity:	**7x8W RGBW or 12x8W RGBW -in-1 LEDs**
Service life:	**Exceed 20,000 hours**
Working mode:	
	Auto programs / Manuel setting
	DMX 512 control, 10channels
Dimmension:	**230x230x330mm**
Carton size:	**240x240x340mm**
Net weight:	**2,1 for Picollo, 3,0 for basic**
Gross weight:	**3,5 or 4kgs**

Please note: Every information is subject to change without prior notice.

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